AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) Cup-shaped hydraulic piston [[(10)]] made from rolled sheet metal, comprising
 - an open end [[(12)]],

- a piston head [[(14)]],

- a side wall [[(16)]] with a cylindrical outer surface [[(18)]] and an inner surface [[(22)]], wherein the side wall [[(16)]] at its outer surface [[(18)]] is provided with an annular groove [[(20)]] in a portion adjoining the open end [[(12)]], and
- wherein a portion [[(24)]] of the inner surface [[(22)]] of the side wall [[(16)]] adjoining the open end [[(12)]] and extending in axial direction over the annular groove [[(20)]] has a cylindrical shape, and wherein the thickness of the side wall [[(16)]] decreases monotonically from the portion [[(24)]] of the inner surface [[(22)]] up to the piston head [[(14)]].
- 2. (Currently Amended) Hydraulic piston according to claim 1, characterized in that wherein the piston head [[(14)]] is curved inwards.
- 3. (Currently Amended) Hydraulic piston according to claim 2, characterized in that wherein the piston head [[(14)]] is curved in a concave manner.
- 4. (Currently Amended) Hydraulic piston according to claim 2, eharacterized in that the wherein a radially outer part of the piston head [[(14)]] has the shape of a truncated cone and the <u>a</u> central part of the piston head [[(14)]] has the shape of a spherical cap.

- 5. (Currently Amended) Hydraulic piston according to claim 4, characterized in that the wherein an extension of the truncated-cone-shaped part of the piston head [[(14)]] along its profile is not greater than three times the a wall thickness of the side wall [[(16)]] in its portion adjoining the piston head [[(14)]].
- 6. (Currently Amended) Method of manufacturing a hydraulic piston according to one of the preceding claims, comprising the steps:
 - punching a disk-shaped round blank out of a piece of rolled sheet metal, metal;
 - deep-drawing the disk-shaped round blank into a cup shape by means of a bottom die and a punch, punch;
 - stamping the cup-shaped blank to form the <u>a</u> piston head and the <u>a</u> cylindrical outer surface of the hydraulic piston, and ; and
 - incorporating an annular groove into the an outer surface of the hydraulic piston.
- 7. (Currently Amended) Method according to claim 6, eharacterized in that wherein the disk-shaped round blank during deep-drawing into a cup shape is pressed firstly by means of a first punch through a first circular die opening and then by means of a second punch through a second circular die opening, the a diameter of which is smaller than the a diameter of the first die opening.
- 8. (Currently Amended) Method according to claim 7, characterized in that wherein the first punch and the second punch are cylindrical.

- 9. (Currently Amended) Method according to claim 7 [[or 8]], characterized in that wherein the cup-shaped blank is pressed by means of a third punch through a third circular die opening, the a diameter of which is smaller than the diameter of the second die opening, wherein the third punch has a first cylindrical portion emanating from its free end and adjoined by a second cylindrical portion, the a diameter of which is greater than the diameter of the first cylindrical portion and smaller than the diameter of the third die opening, in order to form a step in the side wall at the open end of the blank.
- 10. (Currently Amended) Method according to claim 9, characterized in that wherein subsequent to deep-drawing into a cup shape a first stamping operation is effected to form an inwardly curved piston head in that a stepshaped punch comes into engagement with the step in the side wall of the blank and presses the blank into a bottom forming die.
- 11. (Currently Amended) Method according to claim 10, characterized in that wherein subsequent to the first stamping operation the cupshaped blank is pressed by means of a step-shaped punch, which comes into engagement with the step in the side wall of the blank, through a fourth circular die opening, the a diameter of which is smaller than the diameter of the third die opening, in order to form the cylindrical outer surface of the side wall.
- 12. (Currently Amended) Method according to claim 11, characterized in that wherein subsequent to forming of the cylindrical outer surface of the side wall a second stamping operation is effected by means of a bottom forming die and a step-shaped punch, which comes into engagement with the step in the side wall of the blank, in order to form a transition region between the piston head and the side wall.

- 13. (Currently Amended) Method according to claim 12, characterized in that the wherein a region of the bottom die touching the piston head is cap-shaped in the a centre and truncated-cone-shaped at the an edge.
- 14. (Currently Amended) Method according to claim 12 [[or 13]], characterized in that wherein subsequent to forming of the transition region between the piston head and the side wall a third stamping operation is effected by means of a bottom forming die and a step-shaped punch, which comes into engagement with the step in the side wall of the blank, in order to form the final configuration of the piston head.
- 15. (Currently Amended) Method according to one of claims 6 to 14 claim 6, characterized in that wherein subsequent to forming of the annular groove at least the outer surface is subsequently machined, wherein the subsequent machining comprises at least one of the following steps:
 - grinding;
 - coating; and
 - polishing.